Title (en)

COOLING SYSTEM AND METHODS FOR COOLING INTERIOR VOLUMES OF CARGO TRAILERS

Title (de)

KÜHLSYSTEM UND VERFAHREN ZUM KÜHLEN VON INNEREN VOLUMINA VON LASTANHÄNGERN

Title (fr)

SYSTÈME DE REFROIDISSEMENT ET PROCÉDÉS DE REFROIDISSEMENT DE VOLUMES INTÉRIEURS DE REMORQUES DE CHARGEMENT

Publication

EP 2864141 B1 20171115 (EN)

Application

EP 13734932 A 20130625

Priority

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Abstract (en)

[origin: US2013340444A1] A system for controlling a temperature a within an interior volume of a cargo trailer adapted to transport perishable goods is described herein. The system includes a fluid distribution assembly and a monitoring system operatively coupled to the fluid distribution assembly for selectively channeling a flow of cryogenic cooling fluid into the cargo trailer interior volume to facilitate adjusting a temperature within the interior volume. The monitoring system includes at least one sensor for sensing an environmental parameter of the cargo trailer, and a controller coupled to the sensor and to the fluid distribution assembly. The controller is configured to receive a monitoring signal indicative of the sensed environmental parameter, determine an environmental condition of the cargo trailer as a function of the environmental parameter, and provide a notification signal if the determined environmental condition is different than a predefined environmental condition.

IPC 8 full level

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